

ABSTRACT OF THE DISCLOSURE

A data multiplexing apparatus including a packet number
obtainment unit for obtaining the total number of packets included
in one block of a private data packet stream inputted into a channel
5 buffer and an address obtainment unit for obtaining the address of
the starting packet in each private data block. The apparatus also
includes a null packet detection unit for detecting null packets when
a multiplexed packet stream of data other than the private data is
outputted from the channel buffer, and includes a packet
10 replacement unit for replacing the multiplexed null packets detected
by the null packet detection unit with the private data packets and
outputting the multiplexed packet stream.